



**UNITED STATES DEPARTMENT OF COMMERCE  
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PS

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/803,814	02/24/97	SIITONEN	468-006903-0

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LM01/1013

EXAMINER  
JUNG Y, A

ART UNIT  
2771

PAPER NUMBER

DATE MAILED: 10/13/98

6

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.  
**08/803,814**

Applicant(s)  
**Siltanen et al.**

Examiner  
**David Jung**

Group Art Unit  
**2771**



☒ Responsive to communication(s) filed on Aug 25, 1998

☒ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claim

☒ Claim(s) 1-11 is/are pending in the applicat

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1-11 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☐ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

Art Unit: 2771

## DETAILED ACTION

### *Response to Amendment*

1. The amendment argues, especially at page 14, that multiple directories are novel. Yet, the Manual for EC-359 (previously cited by Applicant) teaches such a multiple directory.

### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Abdul-Halim and Hashimoto et al. and Owner's Manual EC-359 (heretofore referred as "Manual"- the Manual having been cited by Applicant on April 21, 1998). Claims 1, 3, 6 are the independent claims; claims 2, 4-5, 7-11 are the dependent claims.

In regard to claim 1, Abdul-Halim teaches a "a method for operating a personal digital assistant ..., storing ... relatable call numbers, choosing from a directory ..." as in claim 1. See Abstract which discusses pager (a type of a personal digital assistant) with directory entries.

Art Unit: 2771

Abdul-Halim does not teach “inputting a search key ..., comparing the search key ..., selecting a record ..., and utilizing the information ... to initiate ... electronic communication” as in claim 1.

Hashimoto et al. teaches “inputting a search key ..., comparing the search key ..., selecting a record ..., and utilizing the information ... to initiate ... electronic communication” as in claim 1. See Abstract which discusses a paging device with a search. See also column 1, lines 63 to column 2, lines 16, which discusses an electronic organizer (which is another type of a personal digital assistant).

Manual teaches such an electronic organizer. Manual teaches such multiple directory as in claim 1. See pages 26-27. Note how the search by company or by name lends itself to multiple directories (by company or by name).

Hashimoto suggest to combine with an electronic organizer such as Manual for the purpose of utilizing the information. See column 1, lines 63 to column 2, lines 16. Thus, it would have been obvious to those of ordinary skill in the art at the time of the claimed invention to combine Manual and Hashimoto et al. for the purpose of utilizing the information.

Hashimoto et al. suggests to combine with a pager such as Abdul-Halim. - with the suggested purpose of having a pager to received from the paging device, thereby obtaining the benefit of user convenience. Such having both pager and receiver on a single device is convenient to the user. This benefit is commonly recognized in the communication arts. To wit, the common telephone has both a speaker end that is held to the ear and a speaking end that is held to the

Art Unit: 2771

mouth of the user. That such a combination be of a single device that has both the pager and paging device is discussed at column 1, lines 10-32 of Hashimoto et al.

Thus, it would have been obvious to those of ordinary skill in the art at the time of the claimed invention to combine Abdul-Halim and Hashimoto et al. for the benefit of user convenience.

In regard to claim 3, such search is discussed in Hashimoto et al. See Abstract which discusses sequential search.

In regard to claim 6, such display is discussed in Abdul-Halimn. See Abstract.

In regard to claim 2, such sequential search is suggested in Hashimoto et al. See Abstract which discusses sequential search.

In regard to claim 4, such routing of message is suggested in Hashimoto et al. See column 4, lines 18-37, which discusses messages being sent.

In regard to claim 5, such sending a message at various times is suggested in Hashimoto et al. See column 4, lines 18-37, which discusses messages being sent at various times such as fixed messages and conditional messages.

In regard to claim 7, such QWERTY keyboard is well known in the art for the purpose of using established input means.

In regard to claim 8, such telephone keypad is well known in the art for the purpose of using established input means.

Art Unit: 2771

In regard to claim 9, such touch screen is well known in the art for the purpose of using established input means.

In regard to claim 10, such voice recognition is well known in the art for the purpose of using established input means.

In regard to claim 11, such email and internet hookup is well known in the art for the purpose of facilitating communication.

### ***Conclusion***

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Art Unit: 2771

5. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

(703) 308-9051, (for formal communications intended for entry)

**Or:**

(703) 305-9731 (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

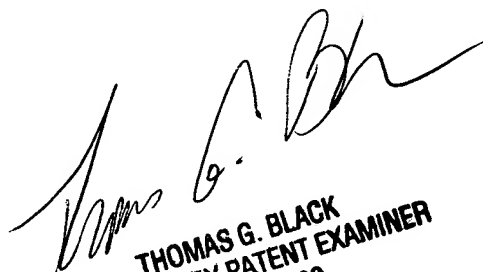
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,  
Arlington, VA., Sixth Floor (Receptionist).

Serial Number: 08/803,814

Page 7

Art Unit: 2771

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Jung whose telephone number is (703) 308-5262 or Thomas Black whose telephone number is (703) 305-9707.

  
THOMAS G. BLACK  
SUPERVISORY PATENT EXAMINER  
GROUP 2700

DJ



October 12, 1998